



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Malte Kumkar et al.                      Art Unit : Unknown  
Serial No. : 10/765,051                              Examiner : Unknown  
Filed : January 28, 2004  
Title : APPARATUS FOR OPTICAL PUMPING A LASER-ACTIVE SOLID BODY

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Copies of the non-U.S. references listed on the attached form PTO-1449 are enclosed. A copy of a communication from a foreign patent office in a counterpart application is also enclosed.

STATEMENT OF RELEVANCE

French Patent Application 2 356 296 (Document AG) discloses a laser, wherein at least part of the surface area of the laser medium has, compared to the wavelength of the laser radiation, large depressions with smooth surfaces which are disposed in a well-defined geometric pattern to prevent total reflections of the natural fluorescent radiation.

German "Gebrauchmuster" 296 21 859 (Document AH) discloses a diode-pumped laser comprising an extended rod-shaped crystal which is disposed in its longitudinal direction between an in-coupling mirror and an out-decoupling mirror of a resonator, and a pumping source which comprises a plurality of laser diodes and whose pumping light is coupled to the crystal via the in-coupling mirror, and guided in the crystal through total internal reflection.

German Unexamined Patent Application 28 44 129 (Document AJ) discloses a YAG:Nd fiber laser comprising a fiber laser which is surrounded by a transparent surface of a lower refractive index and has mirrors at its ends, and is pumped in a longitudinal direction by a semiconductor light emitting diode. The light emitting diode extends over the entire front surface of the core and cladding, and the cladding is surrounded by a sleeve having mirrors on the contact surface. Part of the pumping light is irradiated into the cladding and impinges on the active laser material after reflection at the mirrored inner sleeve surface. This permits use of light emitting diodes of a lower radiation density.

Applicant : Malte Kumkar et al.  
Serial No. : 10/765,051  
Filed : January 28, 2004  
Page : 2 of 2

Attorney's Docket No.: 15540-020US1 / 25 216 RK/nu;  
Trumpf 18.00201, DS07549

This statement is being filed within three months of the filing date of the application or before the receipt of a first Office Action on the merits. Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: 10/26/04

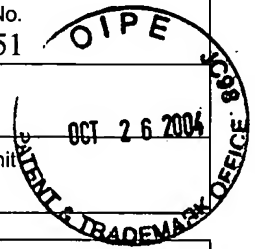


Mark R.W. Bellermann  
Reg. No. 47,419

Fish & Richardson P.C.  
1425 K Street, N.W.  
11th Floor  
Washington, DC 20005-3500  
Telephone: (202) 783-5070  
Facsimile: (202) 783-2331

40249706

Substitute Form PTO-1449 (Modified)  <b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. <b>15540-020US1</b>	Application No. <b>10/765,051</b>
	Applicant <b>Malte Kumkar et al.</b>			
	Filing Date <b>January 28, 2004</b>		Group Art Unit	



U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	6,094,297	07/25/2000	Injeyan et al.			
	AB	5,418,809	05/23/1995	August, Jr. et al.			
	AC	5,359,616	10/25/1994	Yasui et al.			
	AD	4,829,529	05/09/1989	Kafka			
	AE						
	AF						

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
	AG	2 356 296	01/20/1978	France				XX
	AH	296 21 859	06/05/1997	Germany				XX
	AI	WO 93/23899	11/25/1993	WIPO				
	AJ	28 44 129	04/24/1980	Germany				XX
	AK	197 23 267	12/10/1998	Germany			Abstract Yes	
	AL	43 31 389	03/17/1994	Germany			Abstract Yes	

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AM	
	AN	
	AO	
	AP	

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	